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TI Inorganic refractory paint with good heat emissivity
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IC ICM C09D005-18
CC 57-2 (Ceramics)
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
KR 2002058174	ICM	C09D005-18

AB An inorg. refractory paint is provided, to improve the adhesive power to the wall of a furnace above 1300° and the heat emissivity and to reduce the manufacturing cost by employing cheap materials. The inorg. refractory paint comprises 40-70 parts chromite containing 30-70% Cr2O3 and has a mean particle size 5-40 μm; 2-10 parts an inorg. compound selected from alumina sol, silica sol, **alkali silicate**, **aluminum titanate** solid solution, monticellite, calcined alumina, alumina cement and their mixts.; and 28-51 parts **water** of pH 7-9. Preferably the chromite is a mixture comprising 0-70% chromite obtained by pulverizing MgO-Cr2O3-based waste refractory material and 30-100% chromite obtained by purifying natural rock.
ST chromite alumina silica inorg paint
IT Paints
(inorg. refractory paint with good heat emissivity)
IT Silica gel, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(inorg. refractory paint with good heat emissivity)